



National Transportation Safety Board Aviation Accident Final Report

Location:	TUSKEGEE, AL	Accident Number:	ATL93LA100
Date & Time:	06/01/1993, 2100 CDT	Registration:	N64206
Aircraft:	CESSNA 172	Aircraft Damage:	Substantial
Defining Event:		Injuries:	2 None
Flight Conducted Under:	Part 91: General Aviation - Personal		

Analysis

ACCORDING TO THE PILOT, WHILE ON APPROACH TO THE DIMLY LIGHTED RUNWAY, HE DISCOVERED THAT THE AIRCRAFT LANDING LIGHT WOULD NOT COME ON. HIS RESEARCH OF THE PROBLEM DISCLOSED THAT THE LANDING LIGHT CIRCUIT BREAKER HAD POPPED, BUT AFTER RESETTING THE BREAKER, THE LANDING LIGHT STILL FAILED TO OPERATE. THE PILOT ELECTED TO CONTINUE THE APPROACH TO A LIGHTED AREA ON THE AIRPORT. THE AIRPLANE TOUCHED DOWN IN THE GRASS BETWEEN THE RUNWAY AND TAXIWAY, AND COLLIDED WITH A DEPRESSION IN THE GRASSY AREA.

Probable Cause and Findings

The National Transportation Safety Board determines the probable cause(s) of this accident to be: THE PILOT'S FAILURE TO ESTABLISH A FINAL APPROACH COURSE TO THE RUNWAY SURFACE DURING A NIGHT LANDING. A FACTOR WAS THE INOPERATIVE AIRCRAFT LANDING LIGHT.

Findings

Occurrence #1: AIRFRAME/COMPONENT/SYSTEM FAILURE/MALFUNCTION
Phase of Operation: APPROACH - VFR PATTERN - BASE LEG/BASE TO FINAL

Findings

1. (F) LANDING LIGHT(S) - INOPERATIVE

Occurrence #2: ON GROUND/WATER ENCOUNTER WITH TERRAIN/WATER
Phase of Operation: LANDING - ROLL

Findings

2. (C) IN-FLIGHT PLANNING/DECISION - INADEQUATE - PILOT IN COMMAND

Factual Information

On June 1, 1993, at 2100 central daylight time, a Cessna 172, N64206, collided with the ground during a night landing at the Tuskegee Municipal Airport, Tuskegee, Alabama. The flight operated under 14 CFR Part 91 without a flight plan filed. Visual weather conditions prevailed at the time of the accident. The airplane sustained substantial damage, and the two occupants were not injured. The local flight departed Tuskegee, at 1940 hours.

According to the pilot, he experienced some difficulty identifying the runway with the dimmed lights, and lined up on final between the taxiway and runway. Additionally, the pilot experienced a malfunction of the aircraft landing light. The airplane touched down between the runway and taxiway, and during rollout the airplane collided with a depression in the grassy area. No other mechanical problems were reported.

Pilot Information

Certificate:	Private	Age:	38, Male
Airplane Rating(s):	Single-engine Land	Seat Occupied:	Left
Other Aircraft Rating(s):	None	Restraint Used:	Seatbelt, Shoulder harness
Instrument Rating(s):	None	Second Pilot Present:	No
Instructor Rating(s):	None	Toxicology Performed:	No
Medical Certification:	Class 3 Valid Medical--no waivers/lim.	Last FAA Medical Exam:	06/30/1991
Occupational Pilot:		Last Flight Review or Equivalent:	
Flight Time:	119 hours (Total, all aircraft), 80 hours (Total, this make and model), 46 hours (Pilot In Command, all aircraft), 20 hours (Last 90 days, all aircraft), 19 hours (Last 30 days, all aircraft)		

Aircraft and Owner/Operator Information

Aircraft Make:	CESSNA	Registration:	N64206
Model/Series:	172 172	Aircraft Category:	Airplane
Year of Manufacture:		Amateur Built:	No
Airworthiness Certificate:	Normal	Serial Number:	17265087
Landing Gear Type:	Tricycle	Seats:	4
Date/Type of Last Inspection:	05/07/1993, 100 Hour	Certified Max Gross Wt.:	2200 lbs
Time Since Last Inspection:	50 Hours	Engines:	1 Reciprocating
Airframe Total Time:	2950 Hours	Engine Manufacturer:	LYCOMING
ELT:	Installed, not activated	Engine Model/Series:	O-320-E2D
Registered Owner:	SALE REPORTED	Rated Power:	180 hp
Operator:	AIR TUSKEGEE LIMITED	Operating Certificate(s) Held:	None

Meteorological Information and Flight Plan

Conditions at Accident Site:	Visual Conditions	Condition of Light:	Night/Dark
Observation Facility, Elevation:	AUO, 776 ft msl	Distance from Accident Site:	19 Nautical Miles
Observation Time:	2055 CDT	Direction from Accident Site:	50°
Lowest Cloud Condition:	Clear / 0 ft agl	Visibility	10 Miles
Lowest Ceiling:	None / 0 ft agl	Visibility (RVR):	0 ft
Wind Speed/Gusts:	4 knots /	Turbulence Type Forecast/Actual:	/
Wind Direction:	360°	Turbulence Severity Forecast/Actual:	/
Altimeter Setting:	29 inches Hg	Temperature/Dew Point:	18° C / 12° C
Precipitation and Obscuration:			
Departure Point:	(06A)	Type of Flight Plan Filed:	None
Destination:	(06A)	Type of Clearance:	None
Departure Time:	1940 CDT	Type of Airspace:	Class G

Airport Information

Airport:	TUSKEGEE MUNICIPAL (06A)	Runway Surface Type:	Asphalt
Airport Elevation:	264 ft	Runway Surface Condition:	Dry
Runway Used:	31	IFR Approach:	None
Runway Length/Width:	5003 ft / 150 ft	VFR Approach/Landing:	Full Stop; Traffic Pattern

Wreckage and Impact Information

Crew Injuries:	1 None	Aircraft Damage:	Substantial
Passenger Injuries:	1 None	Aircraft Fire:	None
Ground Injuries:	N/A	Aircraft Explosion:	None
Total Injuries:	2 None	Latitude, Longitude:	

Administrative Information

Investigator In Charge (IIC):	PHILLIP POWELL	Report Date:	12/02/1994
Additional Participating Persons:	JACK KEESEY; BIRMINGHAM, AL		
Publish Date:			
Investigation Docket:	NTSB accident and incident dockets serve as permanent archival information for the NTSB's investigations. Dockets released prior to June 1, 2009 are publicly available from the NTSB's Record Management Division at pubinq@ntsb.gov , or at 800-877-6799. Dockets released after this date are available at http://dms.nts.gov/pubdms/ .		

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